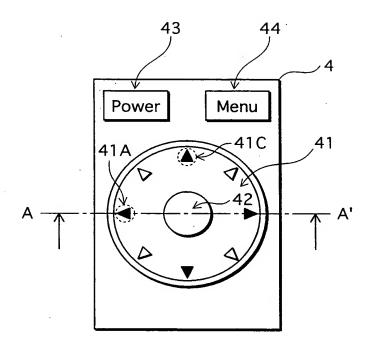


FIG.2



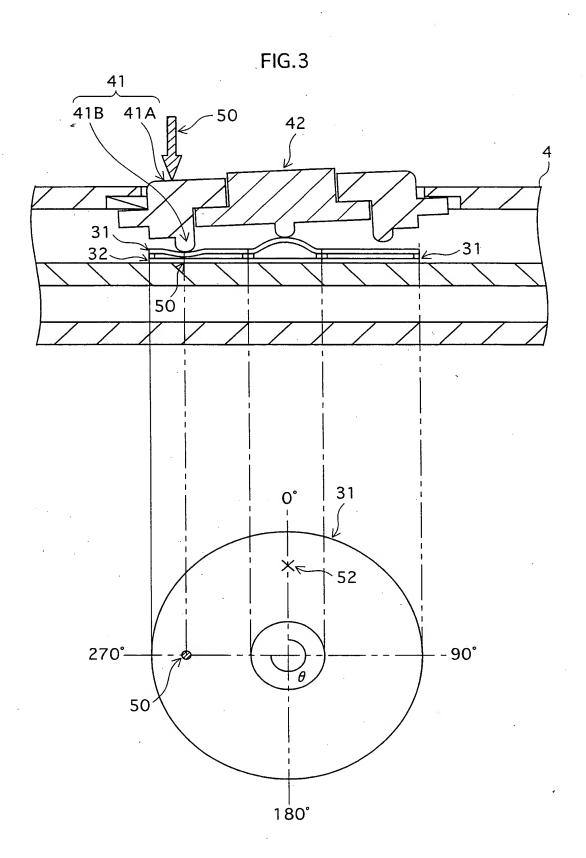
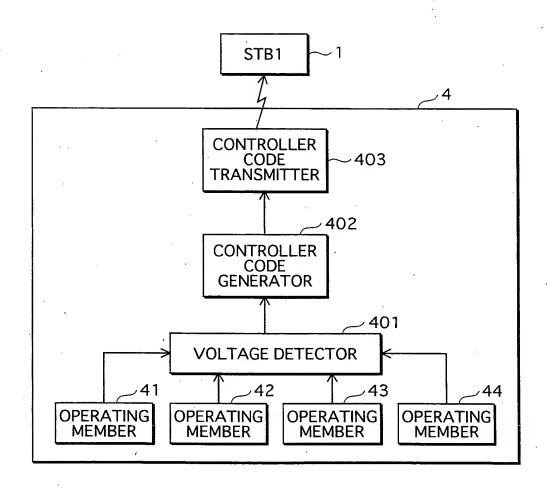
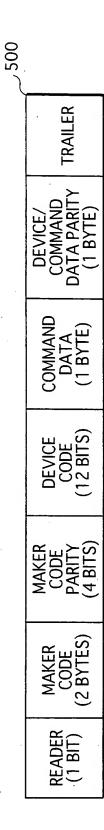
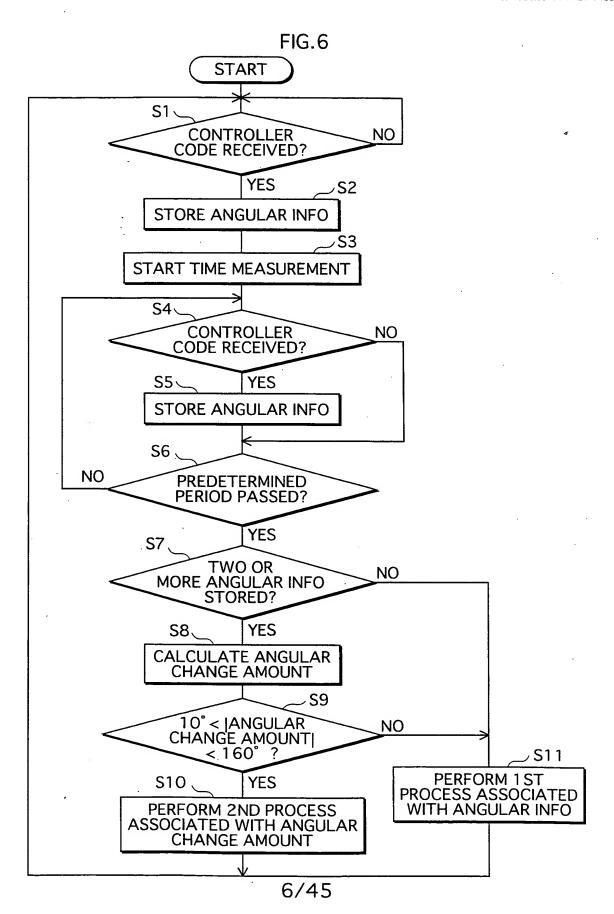


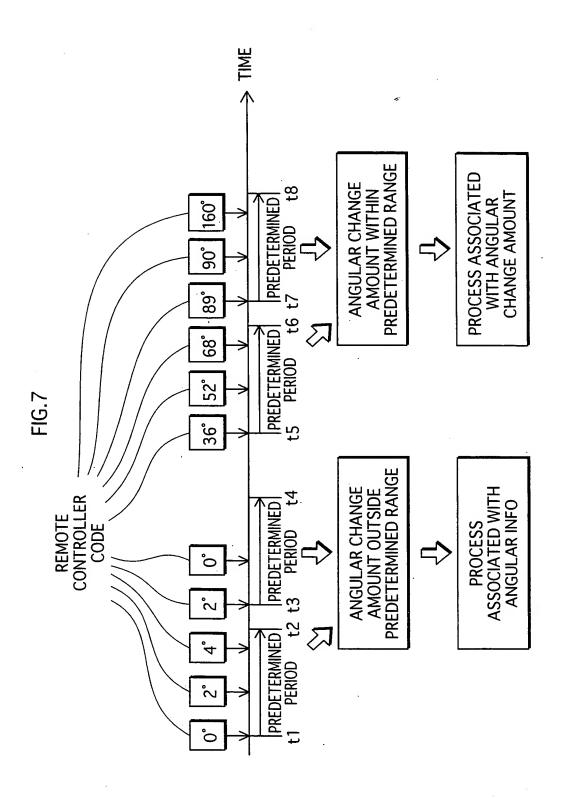
FIG.4





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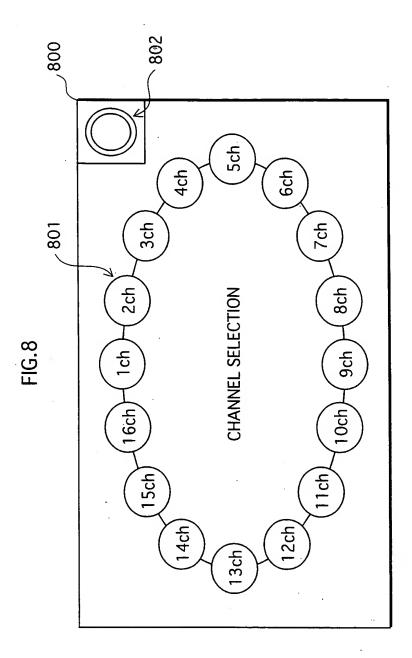
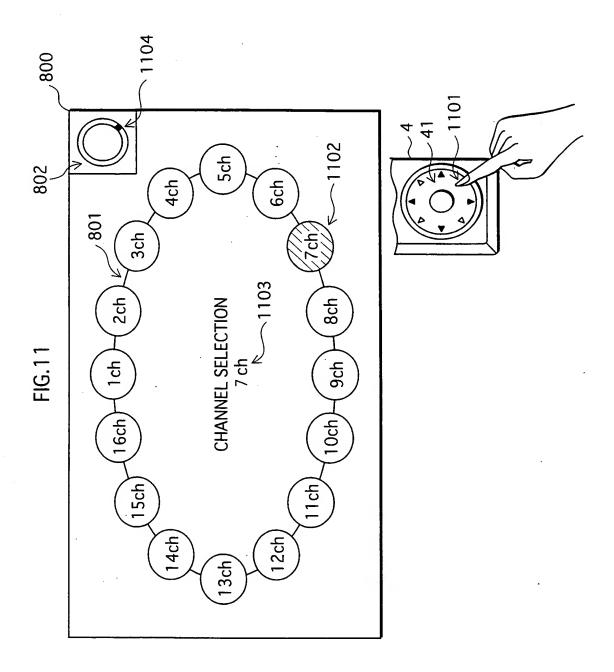


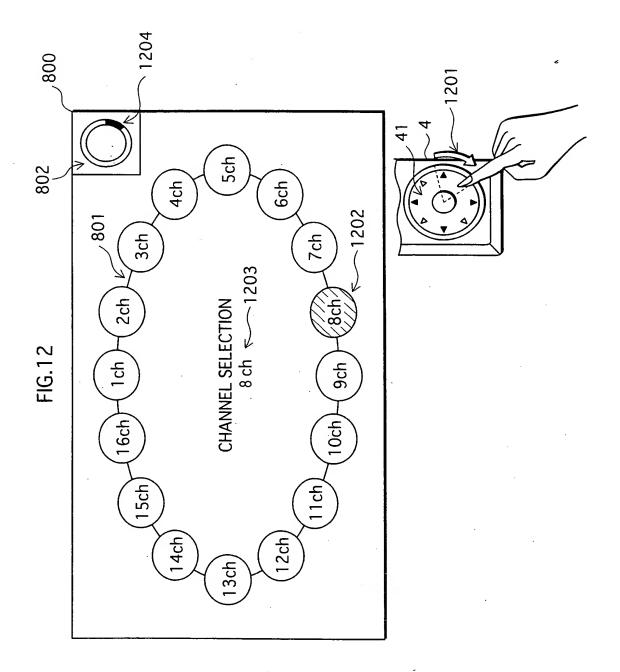
FIG.9

ANGULAR INFO	PROCESS
345° ~ 15°	SELECT "1CH"
30° ~ 60°	SELECT "3CH"
75° ~ 105°	SELECT "5CH"
120° ~ 150°	SELECT "7CH"
165° ~ 195°	SELECT "9CH"
210° ~ 240°	SELECT "11CH"
255° ~ 285°	SELECT "13CH"
300° ~ 330°	SELECT "15CH"

FIG.10

ANGULAR CHANGE AMOUNT	PROCESS
11° ~ 60°	MOVE SELECTED POSITION TO 1 ST ITEM CLOCKWISE
61° ~ 105°	MOVE SELECTED POSITION TO 2ND ITEM CLOCKWISE
106° ~ 150°	MOVE SELECTED POSITION TO 3RD ITEM CLOCKWISE
-11°~-60°	MOVE SELECTED POSITION TO 1ST ITEM COUNTERCLOCKWISE
-61° ~ −105°	MOVE SELECTED POSITION TO 2ND ITEM COUNTERCLOCKWISE
−106° ~ − 150°	MOVE SELECTED POSITION TO 3RD ITEM COUNTERCLOCKWISE





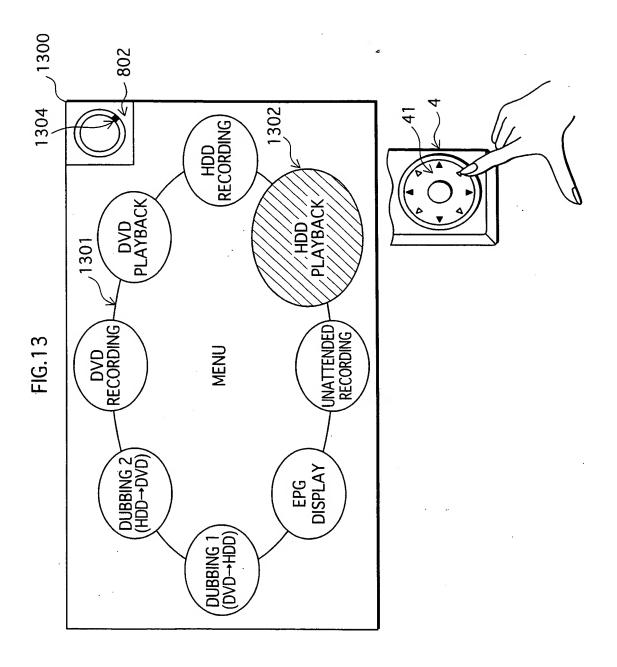


FIG. 1.4

1	4	0	0

ANGULAR INFO	PROCESS
345° ~ 15°	SELECT "DVD RECORDING"
30° ~ 60°	SELECT "DVD PLAYBACK"
75° ~ 105°	SELECT "HDD RECORDING"
120° ~ 150°	SELECT "HDD PLAYBACK"
165° ~ 195°	SELECT "UNATTENDED RECORDING"
210° ~ 240°	SELECT "EPG DISPLAY
255° ~ 285°	SELECT "DUBBING 1"
300° ~ 330°	SELECT "DUBBING 2"

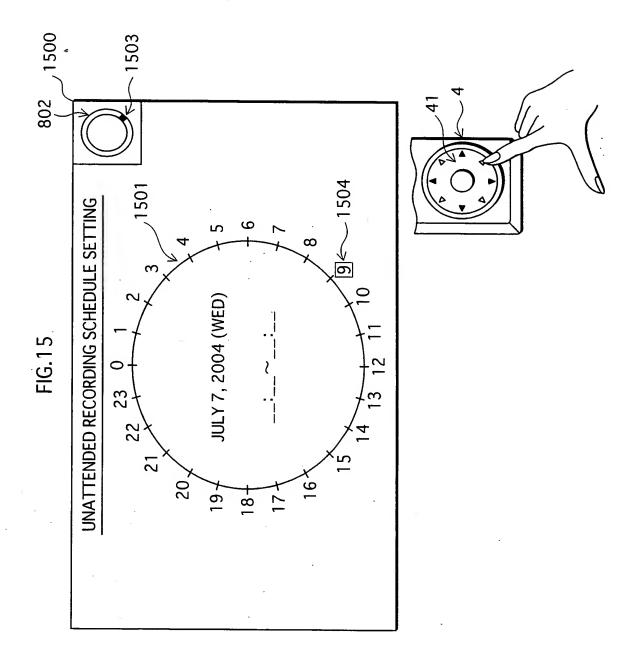


FIG.16

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n	1 1	

ANGULAR INFO	PROCESS
345° ~ 15°	SELECT "O"
30° ~ 60°	SELECT "3"
75° ~ 105°	SELECT "6"
120° ~ 150°	SELECT "9"
165° ~ 195°	SELECT "12"
210° ~ 240°	SELECT "15"
255° ~ 285°	SELECT "18"
300° ~ 330°	SELECT "21"

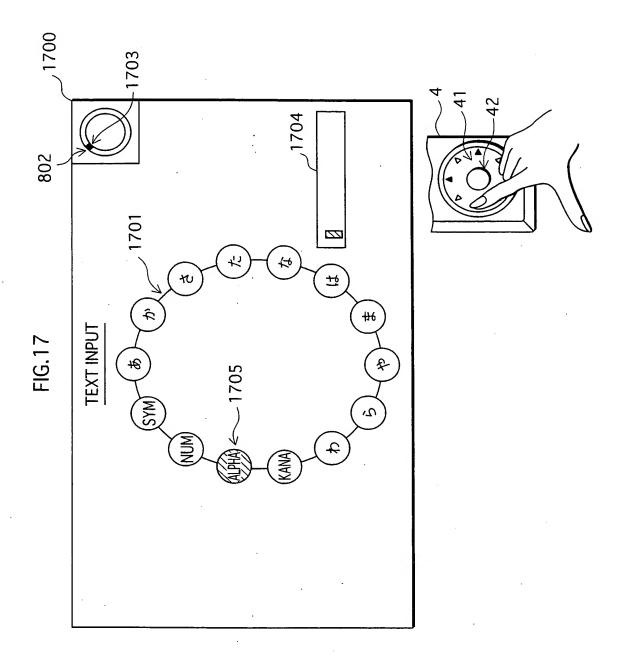


FIG.18

	•
ANGULAR INFO	PROCESS
349° ~ 13°	SELECT"あ"[a] ROW
14° ~ 38°	SELECT"か"[ka] ROW
39°~63°	SELECT"さ"[sa] ROW
64° ~ 88°	SELECT"た"[ta] ROW
89° ~ 113°	SELECT "な" [na] ROW
114° ~ 139°	SELECT"は"[ha] ROW
140° ~ 164°	SELECT"ま"[ma] ROW
165° ~ 192°	· SELECT"や"[ya] ROW
193° ~ 218°	SELECT "6" [ra] ROW
219° ~ 244°	SELECT"わ"[wa] ROW
245° ~ 270°	SELECT "KANA ALPHABET"
271° ~ 298°	SELECT "ALPHABET"
299° ~ 323°	SELECT "NUMERALS"
324° ~ 348°	SELECT "SYMBOLS"

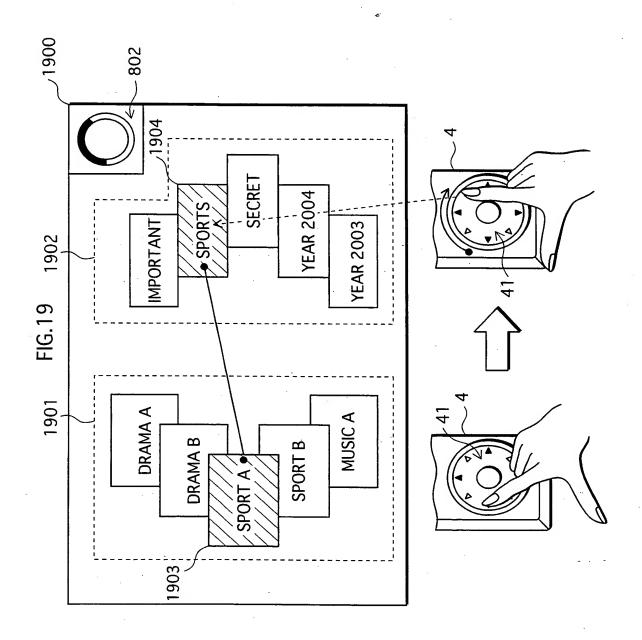
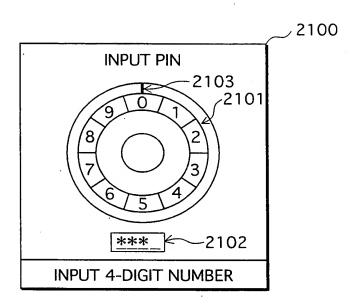


FIG.20

ANGULAR INFO	PROCESS
345° ~ 15°	SELECT "DRAMA A"
300° ~ 330°	SELECT "DRAMA B"
255° ~ 285°	SELECT "SPORT A"
210° ~ 240°	SELECT "SPORT B"
165° ~ 195°	SELECT "MUSIC A"

FIG.21



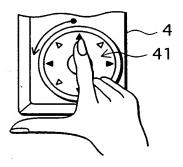
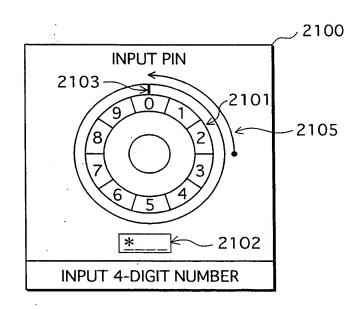
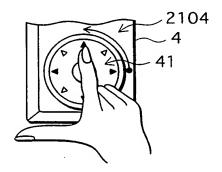


FIG.22

p	
ANGULAR CHANGE AMOUNT	PROCESS
11° ~ 40°	TURN DIAL 2101 ONE MARKING CLOCKWISE
41° ~ 70°	TURN DIAL 2101 TWO MARKINGS CLOCKWISE
71° ~ 100°	TURN DIAL 2101 THREE MARKINGS CLOCKWISE
101° ~ 130°	TURN DIAL 2101 FOUR MARKINGS CLOCKWISE
131° ~ 159°	TURN DIAL 2101 FIVE MARKINGS CLOCKWISE
-11° ~ -40°	TURN DIAL 2101 ONE MARKING COUNTERCLOCKWISE
-41° ~ -70°	TURN DIAL 2101 TWO MARKINGS COUNTERCLOCKWISE
-71° ~ −100°	TURN DIAL 2101 THREE MARKINGS COUNTERCLOCKWISE
-101° ~ -130°	TURN DIAL 2101 FOUR MARKINGS COUNTERCLOCKWISE
-131° ~ -159°	TURN DIAL 2101 FIVE MARKINGS COUNTERCLOCKWISE

FIG.23





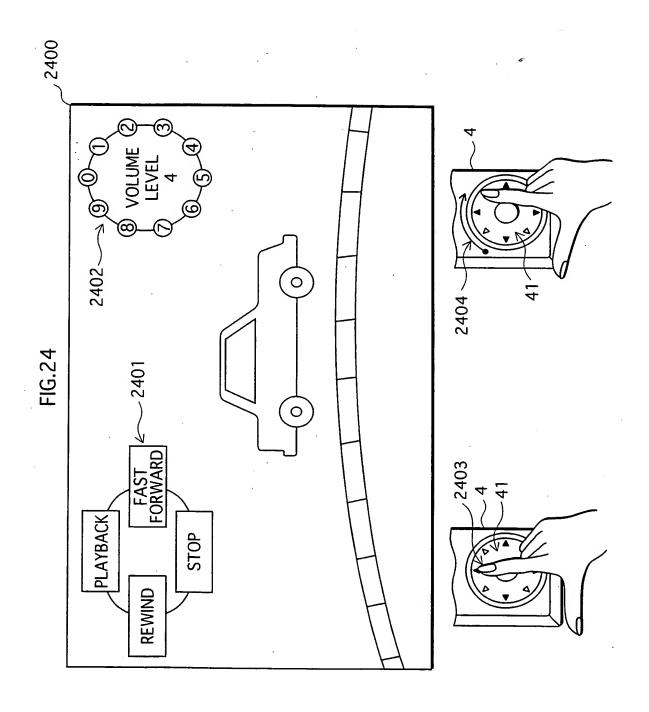


FIG.25

ANGULAR INFO	PROCESS
345° ~ 15°	PLAYBACK
75° ~ 105°	FAST FORWARD
165° ~ 195°	STOP
255° ~ 285°	REWIND

FIG.26

ANGULAR CHANGE AMOUNT	PROCESS
11° ~ 40°	RAISE 1 LEVEL
41° ~ 70°	RAISE 2 LEVELS
71°~100°	RAISE 3 LEVELS
101° ~ 130°	RAISE 4 LEVELS
131° ~ 159°	RAISE 5 LEVELS
−11° ~ −40°	LOWER 1 LEVEL
-41° ~ −70°	LOWER 2 LEVELS
-71° ~ −100°	LOWER 3 LEVELS
$-101^{\circ} \sim -130^{\circ}$	LOWER 4 LEVELS
−131° ~ −159°	LOWER 5 LEVELS

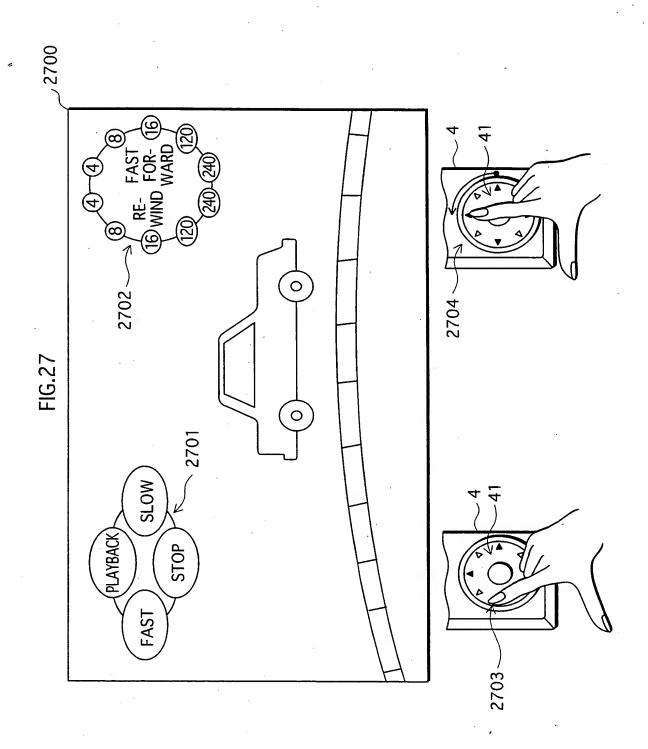


FIG.28

ANGULAR INFO	PROCESS
345° ~ 15°	PLAYBACK
75° ~ 105°	SLOW PLAYBACK
165° ~ 195°	· STOP
255° ~ 285°	FAST PLAYBACK

FIG.29

ANGULAR CHANGE AMOUNT	PROCESS
11° ~ 40°	4X SPEED FORWARDING
41° ~ 70°	8X SPEED FORWARDING
71°~100°	16X SPEED FORWARDING
101° ~ 130°	120X SPEED FORWARDING
131° ~ 159°	240X SPEED FORWARDING
-11° ~ -40°	4X SPEED REWINDING
-41° ~ −70°	8X SPEED REWINDING
-71° ~ −100°	16X SPEED REWINDING
-101° ~ -130°	120X SPEED REWINDING
-131° ~ −159°	240X SPEED REWINDING

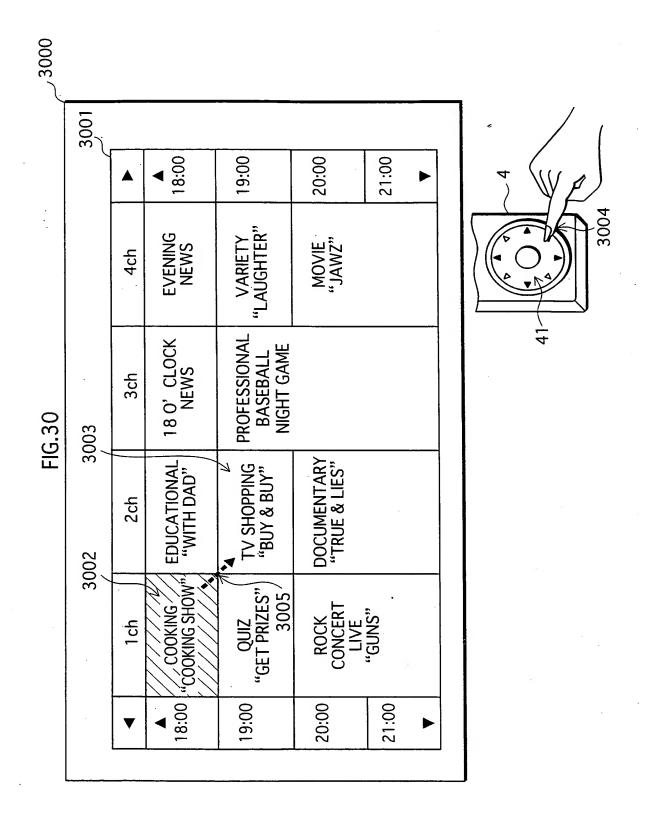


FIG.31

ANGULAR INFO	PROCESS
345° ~ 15°	MOVE SELECTED POSITION TO UPPER CELL
30° ~ 60°	MOVE SELECTED POSITION TO UPPER RIGHT CELL
75° ~ 105°	MOVE SELECTED POSITION TO RIGHT CELL
120° ~ 150°	MOVE SELECTED POSITION TO LOWER RIGHT CELL
165° ~ 195°	MOVE SELECTED POSITION TO LOWER CELL
210° ~ 240°	MOVE SELECTED POSITION TO LOWER LEFT CELL
255° ~ 285°	MOVE SELECTED POSITION TO LEFT CELL
300° ~ 330°	MOVE SELECTED POSITION TO UPPER LEFT CELL

FIG.32

ANGULAR CHANGE AMOUNT	PROCESS
11° ~ 40°	SCALE UP BY 10%
41° ~ 70°	SCALE UP BY 30%
71° ~ 100°	SCALE UP BY 50%
-11° ~ -40°	SCALE DOWN BY 10%
-41° ~ −70°	SCALE DOWN BY 30%
-71° ~ −100°	SCALE DOWN BY 50%

\sim 3300				·		
ì	3301	A	18:00	19:00	20:00	4
	,	3ch	18 O' CLOCK NEWS -TRUTH OF XX MOTORS RECALL COVER-UP-	PROFESSIONAL BASEBALL NIGHT GAME -KOALAS VS	KANGAROOS- (MAY BE EXTENDED UP TO 22:30)	3302
FIG.33		2ch	EDUCATIONAL "WITH DAD" -DANCE WITH DAD-	TV SHOPPING "BUY & BUY" -WALKY TALKY ON SALE-	DOCUMENTARY "TRUE & LIES"	
		1ch	COOKING "COOKING SHOW" BAKED VS MASHED POTATOES	QUIZ "GET PRIZES" -TODAY'S PRIZE IS RICE-	ROCK CONCERT LIVE "GUNS"	
		•	▲ 18:00	19:00	20:00	

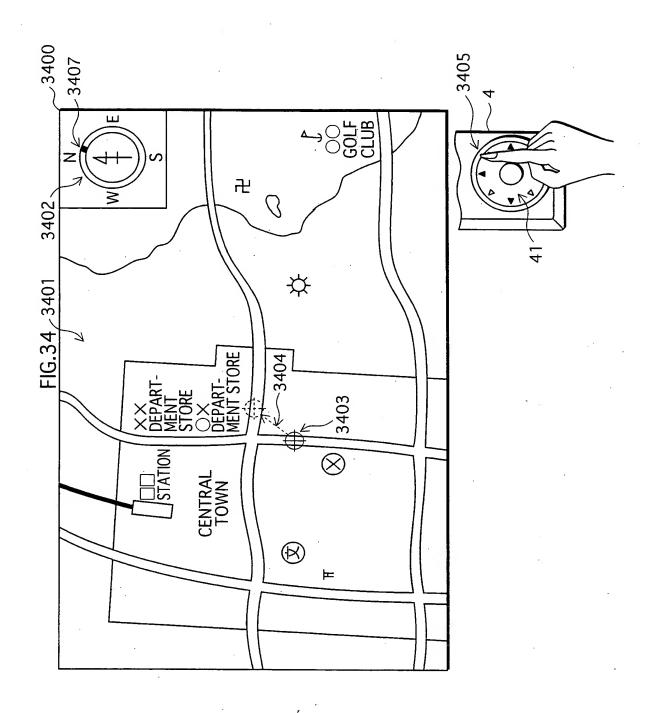
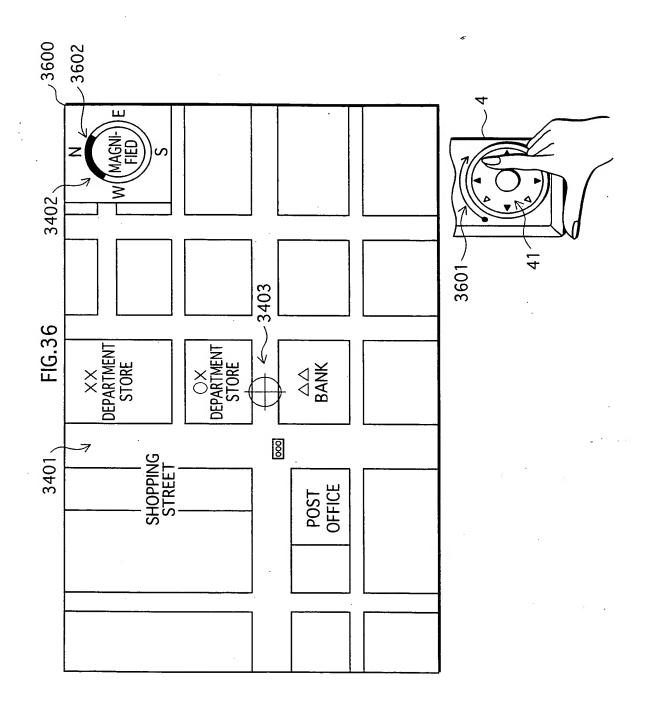
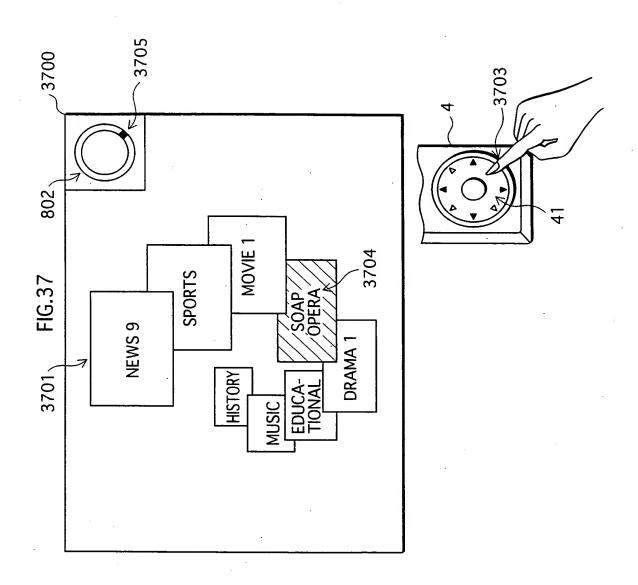
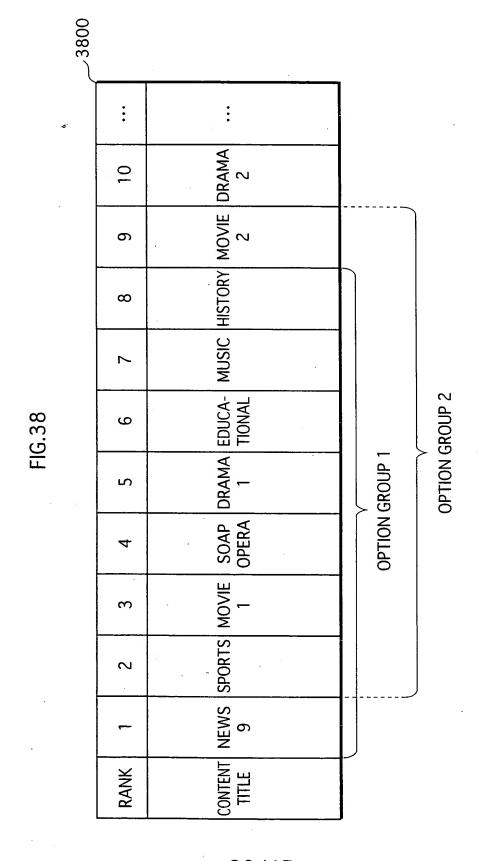


FIG.35

ANGULAR INFO	PROCESS
345° ~ 15°	MOVE CURSOR UP
30° ~ 60°	MOVE CURSOR IN UPPER RIGHT DIRECTION
75° ~ 105°	MOVE CURSOR RIGHT
120° ~ 150°	MOVE CURSOR IN LOWER RIGHT DIRECTION
165° ~ 195°	MOVE CURSOR DOWN
210° ~ 240°	MOVE CURSOR IN LOWER LEFT DIRECTION
255° ~ 285°	MOVE CURSOR LEFT
300° ~ 330°	MOVE CURSOR IN UPPER LEFT DIRECTION







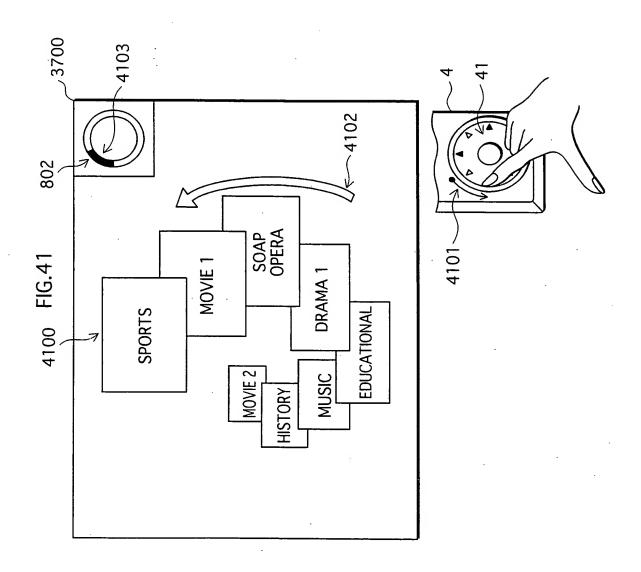
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FIG.39

ANGULAR INFO	PROCESS
345° ~ 13°.	SELECT "NEWS 9"
30° ~ 60°	SELECT "SPORTS"
75° ~ 105°	SELECT "MOVIE 1"
120° ~ 150°	SELECT "SOAP OPERA"
165° ~ 195°	SELECT "DRAMA 1"
210° ~ 240°	SELECT "EDUCATIONAL"
255° ~ 285°	SELECT "MUSIC"
300° ~ 330°	SELECT "HISTORY"

FIG.40

ANGULAR CHANGE AMOUNT	PROCESS
11° ~ 40°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE LOWER BY ONE
41° ~ 70°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE LOWER BY TWO
71°~100°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE LOWER BY THREE
101° ~ 130°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE LOWER BY FOUR
131° ~ 159°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE LOWER BY FIVE
-11° ~ -40°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE HIGHER BY ONE
-41° ~ −70°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE HIGHER BY TWO
-71° ~ −100°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE HIGHER BY THREE
-101° ~ -130°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE HIGHER BY FOUR
−131° ~ −159°	DISPLAY GROUP OF OPTIONS WITHIN RANKING RANGE HIGHER BY FIVE



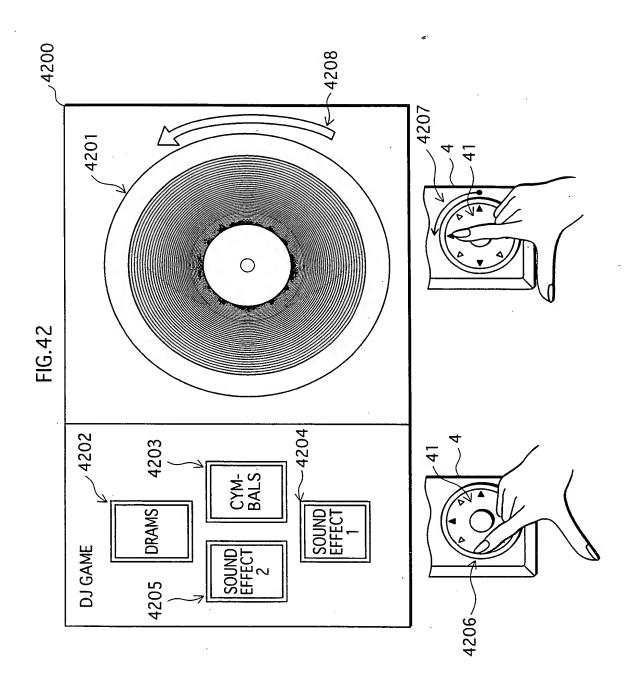
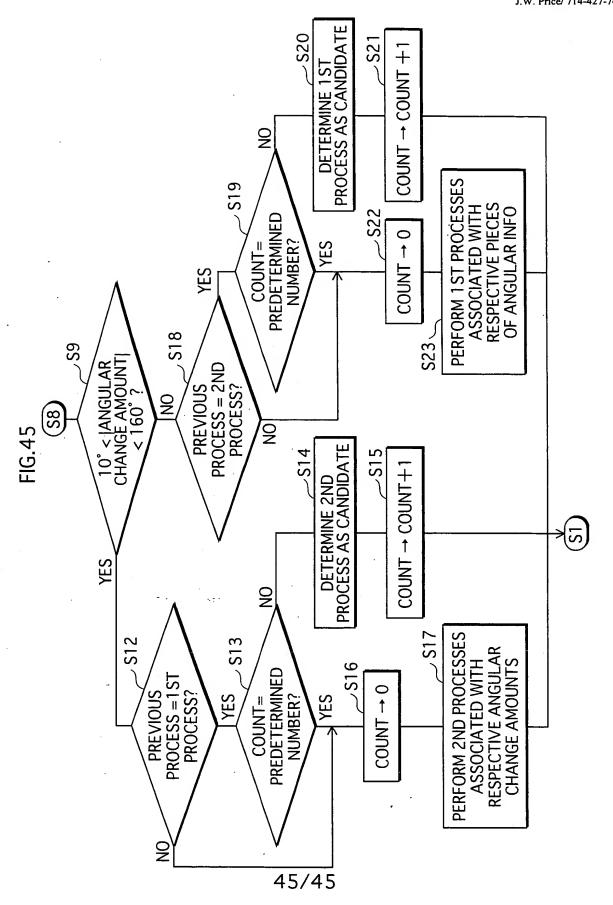


FIG.43

ANGULAR INFO	PROCESS
345° ~ 15°	OUTPUT "DRAMS" SOUND
75° ~ 105°	OUTPUT "CYMBALS" SOUND
165° ~ 195°	OUTPUT "SOUND EFFECT 1"
255° ~ 285°	OUTPUT "SOUND EFFECT 2"

FIG.44

ANGULAR CHANGE AMOUNT	PROCESS
11° ~ 70°	OUTPUT "SCRATCH SOUND 1"
71°~130°	OUTPUT "SCRATCH SOUND 2"
131° ~ 159°	OUTPUT "SCRATCH SOUND 3"
-11° ~ -70°	OUTPUT "SCRATCH SOUND 4"
-71° ~ −130°	OUTPUT "SCRATCH SOUND 5"
-131° ~ -159°	OUTPUT "SCRATCH SOUND 6"



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